WHAT IS CLAIMED IS:

1. An optical transmitter comprising:

a thermoelectric module having a first plate made of insulating material, a second plate including a first region and a second region, at least the first region being disposed opposite to the first plate, and a thermoelectric transducer which is interposed between the first plate and the second plate and is in contact with the first plate and the first region of the second plate;

a light emitting device supported by the first plate; and

a light receiving device mounted on the second region of the second plate and configured to receive portion of light emitted from the light emitting device.

2. The optical transmitter according to claim 1,

wherein the first plate includes an opening, and

portion of the light emitted from the light emitting device passes through the opening and enters the light receiving device mounted on the second region of the second plate.

3. The optical transmitter according to claim 1, further comprising a carrier mounted on the first plate, the carrier including a supporting surface extending along a predetermined plane intersecting the

first plate,

wherein the light emitting device is mounted on the supporting surface.

4. The optical transmitter according to claim 3,

wherein a temperature sensor for detecting a temperature of the light emitting device is mounted on the carrier.

5. The optical transmitter according to claim 1,

wherein the light emitting device includes a first light emitting surface, and a second light emitting surface opposing to the first light emitting surface, and

the light receiving device receives light emitted from the second light emitting surface.

6. The optical transmitter according to claim 5, further comprising a can case,

wherein the can case comprises a lens optically coupled with the first light emitting surface, and a stem to mount the second plate thereon, and

the light emitting device, the light receiving device, and the thermoelectric module are housed in the can case.